

Acknowledgment Receipt

SUBMISSION TYPE: BIO Sequence Filing

APPLICATION NUMBER: 10031193

FIRST NAMED INVENTOR: Brian Hicke

TITLE OF INVENTION: TENASCIN-C NUCLEIC ACID LIGANDS

ATTORNEY DOCKET NUMBER: NEX86/PCT-US

FILE LISTING:

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sequence-listing	NEX86PCT.txt 26712 Bytes
biotechnology-listing-filing	NEX86PCTUSbio.xml 953 Bytes
biotechnology-listing-filing	u-bio.dtd 3619 Bytes
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MESSAGE DIGEST: tSFok89QBxgVlhKFFIngGA==

DIGITAL CERTIFICATE HOLDER NAME: cn=Rosemary Kellogg, ou=Registered Attorneys

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SEQUENCE LISTING

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<120> Tenascin-C Nucleic Acid Ligands

<130> NEX 86/PCT

<140> 10/031,193

<141> 2002-01-15

<150> 09/364,902

<151> 1999-07-29

<160> 65

<170> PatentIn Ver. 2.0

<210> 1

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<222> (1)..(56)

<223> N at positions 17-56 is A, C, T, or G

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atcgtctctcc c 71

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<210> 12
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<223> N at positions 4 and 10 is A, G, 2'-F-U or 2'-F-C

<400> 12
gacnyuuccn gcayc 15

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acucgcccga 70

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gacucgccc a 71

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gacucgcccg a 71

<210> 18

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gacucgcccg a 71

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gacucgcccg a 71

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gacucgccccg a

71

<210> 24

<211> 76

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<210> 25

<211> 71

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<210> 33

<211> 72

<212> RNA

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<222> (1)..(72)

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gacucgccccg a 71

<210> 37
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<210> 39
<211> 71
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<210> 40
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gacucgcccc a 71

<210> 41

<211> 71

<212> RNA

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gacucgcccc a 71

<210> 42

<211> 71

<212> RNA

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<223> All pyrimidines are 2'F.

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gacucgcccc a 71

<210> 43

<211> 71

<212> RNA

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<222> (1)..(71)

<223> All pyrimidines are 2'F.

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gacucgcccc a 71

<210> 44
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<222> (1)..(71)

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<211> 72

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<222> (1)..(72)

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<211> 70

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<222> (1)..(70)

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<222> (1)..(50)

<223> All pyrimidines are 2'F; linkage at positions 50
and 51 is 3'-3'.

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<210> 48

<211> 55

<212> RNA

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<223> All pyrimidines are 2'F; linkage at positions 55
and 56 is 3'-3'.

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<210> 49

<211> 55

<212> RNA

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<222> (1)..(55)

<223> All pyrimidines are 2'F; g's at positions 1-3, 5
and 55 are 2'OMe; a at position 4 is 2'OMe;
linkage at positions 55 and 56 is 3'-3'.

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<210> 50

<211> 55

<212> RNA

<213> Artificial Sequence

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<222> (1)..(55)

<223> All pyrimidines are 2'F; g's at positions 6, 9, 12 and 14 are 2'OMe; a's at positions 7 and 10 are 2'OMe; linkage at positions is 3'-3'.

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<210> 51

<211> 55

<212> RNA

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<211> 55

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<211> 55

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<222> (1)..(55)

<223> All pyrimidines are 2'F; g's at positions 39-40, 43 and 48 are 2'OMe; a's at positions 36-37 and 41

are 2'OMe; linkage at positions 55 and 56 is
3'-3'.

<400> 53
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<223> All pyrimidines are 2'F; g's at positions 1-3,
5-6, 9, 12, 14-15, 22, 28, 31, 34, 39-40, 43, 48
and 55 are 2'OMe.

<220>
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<223> A's at positions 7, 10, 16-17, 19-20, 24, 36-37,
and 41 are 2'OMe; linkage at positions 55 and 56
is 3'-3'.

<400> 54
gggaggacga ugcggaacaa ugcacucguc gccgaaugg auguuuugcu ccug 55

<210> 55
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<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

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<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at positions 1-3,
5-6, 9, 12, 14-15, 22, 39-40, 43, 48 and 55 are
2'OMe; a's at positions 4, 7, 10, 16-17, 19-20,
24-36-37, 40 are 2'OMe.

<220>
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<222> (1)..(55)
<223> Linkage at positions 55 and 56 is 3'-3'.

<400> 55
gggaggacga ugcggaacaa ugcacucguc gccgaaugg auguuuugcu ccug 55

<210> 56
<211> 55

<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at positions 1-3,
5-6, 15, 22, 39-40, 43, 48 and 55 are 2'OMe; a's
at positions 4, 16-17, 19-20, 24 36-37 and 40 are
2'OMe; linkage at positions 55 and 56 is 3'-3'.

<400> 56
gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu ccug 55

<210> 57
<211> 55
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 5, 15, 22,
39-40, 43, 48, 55 are 2'OMe; a's at 4, 7, 16-17,
19-20, 24, 36-37, 40 are 2'OMe; linkage at 55, 56
is 3'-3'.

<400> 57
gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu ccug 55

<210> 58
<211> 55
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 5, 9, 15, 22,
39-40, 43, 48, 55 are 2'OMe; a's at 4, 16-17,
19-20, 24, 36-37, 41 are 2'OMe; linkage at 55, 56
is 3'-3'.

<400> 58
gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu ccug 55

<210> 59
<211> 55

<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 5, 15, 22,
39-40, 43, 48 and 55 are 2'OMe; a's at 4, 10,
16-17, 19-20, 24, 36-37, and 41 are 2'OMe;
linkage at 55 and 56 is 3'-3'.

<400> 59
gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu ccug 55

<210> 60
<211> 55
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 5, 12, 14-15,
22, 39-40, 43, 48 and 55 are 2'OMe; a's at 4,
16-17, 19-20, 24, 36-37 and 41 are 2'OMe; linkage
at 55 and 56 is 3'-3'.

<400> 60
gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu ccug 55

<210> 61
<211> 55
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 6, 15, 22,
28, 39-40, 43, 48, and 55 are 2'OMe; a's at 4,
16-17, 19-20, 24, 36-37 and 40 are 2'OMe; linkage
at 55 and 56 is 3'-3'.

<400> 61
gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu ccug 55

<210> 62
<211> 55

<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 5, 15, 22,
39-40, 43, 48 and 55 are 2'OMe; a's at 4, 16-17,
19-20, 27, 36-37 and 40 are 2'OMe; linkage at 55
and 56 is 3'-3'.

<400> 62
gggaggacga ugcggaacaa ugcacucguc gccgaaugg auguuuugcu ccug 55

<210> 63
<211> 55
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(55)
<223> All pyrimidines are 2'F; g's at 1-3, 5, 15, 22,
39-40, 43, 48 and 55 are 2'OMe; a's at 4, 16-17,
19-20, 24, 36-37, and 40 are 2'OMe; linkage at 55
and 56 is 3'-3'.

<400> 63
gggaggacga ugcggaacaa ugcacucguc gccgaaugg auguuuugcu ccug 55

<210> 64
<211> 39
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(39)
<223> All pyrimidines are 2'F; g's at positions 2-3,
5-6, 23-24, 27, 32, and 39 are 2'OMe; a's at
positions 4, 7, 20-21, and 25 are 2'OMe;.

<220>
<221> modified_base
<222> (1)..(39)
<223> Linkage at positions 39 and 40 is 3'-3'.

<220>

<221> modified_base
<222> (1)..(39)
<223> N at position 10 is (CH2CH2O)6

<400> 64
gggaggacgn cgucgccgua auggauguuu ugcucccug

39

<210> 65
<211> 34
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Nucleic Acid Ligand

<220>
<221> modified_base
<222> (1)..(34)
<223> All pyrimidines are 2'F; g's at positions 2-3,
5-6, 23-24, 27 and 32 are 2'OMe; a's at positions
4, 7, 20-21, and 25 are 2'OMe

<220>
<221> modified_base
<222> (1)..(34)
<223> N at position 10 is (CH2CH2)6

<220>
<221> modified_base
<222> (1)..(34)
<223> linkage at positions 34 and 35 is 3' - 3'

<400> 65
gggaggacgn cgucgccgua auggauguuu ugcu

34